



PHOTONICS SHOWCASE



March 2018

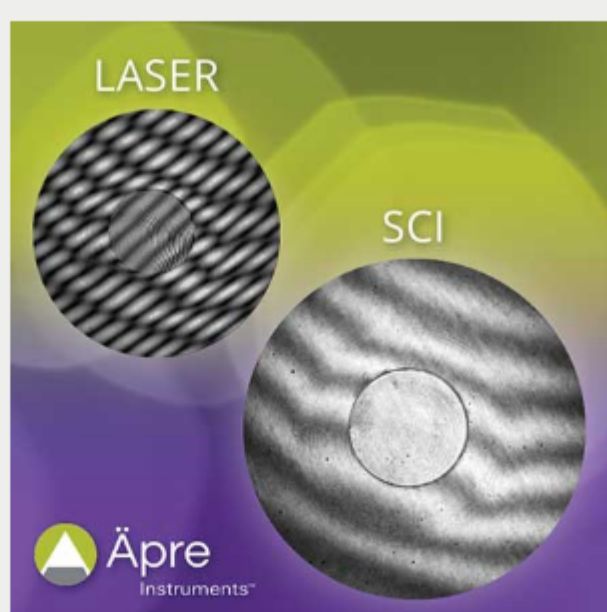
Bi-monthly product-focused newsletter with highlights from the latest issue of Photonics Showcase. Use the Request Info links below to ask for more information about these products, or visit Photonics.com/rssc. Manage your Photonics Media membership at Photonics.com/subscribe.

Featured Products

[Surface Isolation + Easy Setup?](#)

From: Apre Instruments

Yes! With Spectrally Controlled Interferometry (SCI), you can electronically control the source coherence for fast setup in the "laser" mode, then switch to "white-light" mode to isolate the surface you want to measure — all the way down to 50- μm optical thickness. No more multiple surface interference that prohibits measurement. Contact us today or visit www.apre-inst.com/sci.



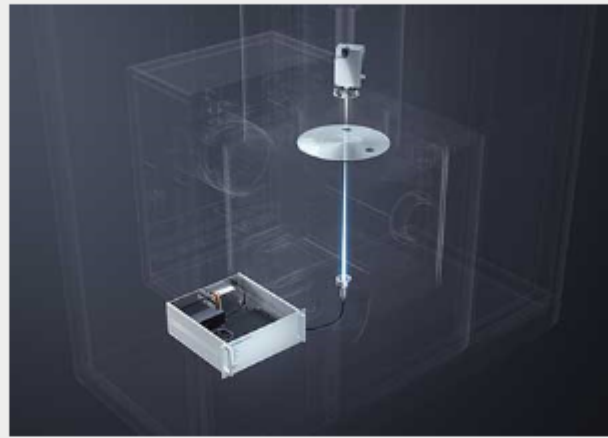
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[Advanced In Situ Optical Monitor](#)

From: Izovac Ltd.

The new OCP Broadband system is an easily integrated software and hardware solution that provides fully automatic control for any type of optical coating deposition process. It allows measurement of transmittance and reflectance with spectral resolution up to 0.3 nm. OCP Broadband can perform design optimization for all subsequent layers to obtain high-level quality and yield of the desired coating.



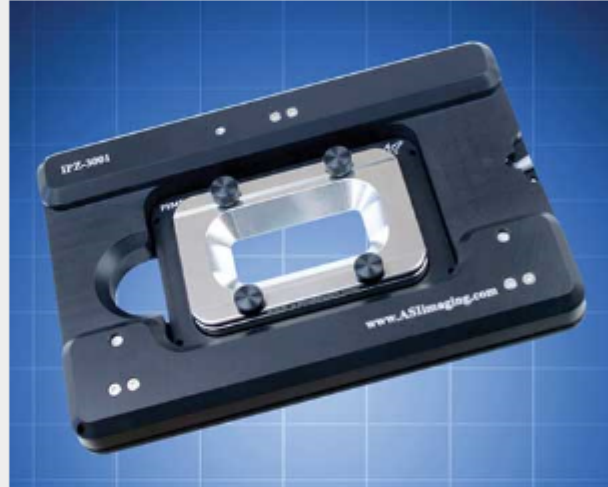
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[Z-Piezo Stage Insert IPZ-3000](#)

From: Applied Scientific Instrumentation Inc.

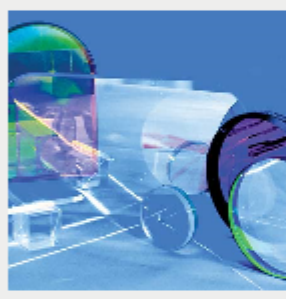
The IPZ-3000 series piezo insert will fit in most microscope stages with the standard (K-size) stage insert opening. Several sample holders are available to fit the IPZ-3000 insert for holding small dishes, slides or chambers. Travel ranges available are 150, 300, and 500 μm . The piezo insert is controlled via an MS-2000 controller that accepts serial, USB and analog inputs.



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Additional Products



[Thin Films and Optical Assembly](#)

Applied Optics Center (AOC)

The Applied Optics Center has been and continues to be one of the preeminent suppliers of laser blocking and absorbing filters as well as optical assemblies to both the U.S. military and commercial industry.

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[FC100, a 100-mm Fiber Collimator](#)

Micro Laser Systems Inc.

A large 100-mm aperture Fiber Collimator is introduced for free space communications, lidar or metrology applications. Beam is 50 mm at 1/e² point with about 1/10 wave over the 50-mm beam. It features adjustable focus with lockdown and second lockdown for vibrations.

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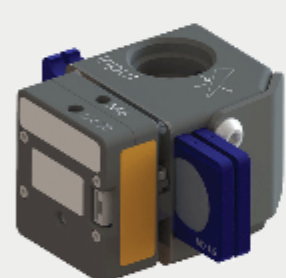
[Sapphire Hyper-Hemisphere](#)

Meller Optics Inc.

The Meller Sapphire Hyper-Hemispheric 360 Degree Window is a multispectral head window designed to permit total panoramic submarine mast imaging on Virginia and SSGN class submarines. Featuring an enhanced 65° field of view, they can be fabricated in sizes from 6- to 12-in. O.D. with varying wall thicknesses...

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[Focal Spot Analyzer](#)

Ophir, Photonics

MKS Instruments, a global provider of technologies that enable advanced processes and improve productivity, introduces the Ophir®

Focal Spot Analyzer, a laser beam monitoring system that measures the focus spot and power of high-power lasers in real time.

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[Optical Laboratory Equipment](#)

Terahertz Technologies Inc.

Terahertz Technologies Inc. manufactures a variety of U.S.-made products for your optical laboratory needs. We offer O/E converters in bandwidths from DC to 20 GHz and E/O/E fiber optic, lab grade links.

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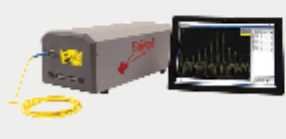
[Quality Custom Optical Coatings](#)

Andover Corporation

Andover Corporation has the ability to provide a diverse range of coatings spanning a broad wavelength range on a wide variety of materials. We produce coatings such as beamsplitters, dual bandpass, multiband ARs, custom dichroics, and narrow- and widebands.

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[Laser Spectrum Analyzer](#)

Bristol Instruments Inc.

The model 771 operates as both a high-resolution spectrum analyzer and a high-accuracy wavelength meter. With spectral resolution up to 2 GHz and wavelength accuracy as high as ± 0.0001 nm, this system provides the most detailed information.

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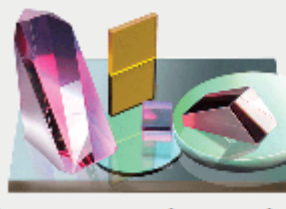
[PhaseCam 6100 Laser Interferometer](#)

4D Technology Corporation

The PhaseCam® 6100 dynamic laser interferometer is powerful and extremely compact, for measuring flats, spheres, aspheres, large optics and optical systems. Only 13-in. long and featuring an internal diode source, 4-MP sensor and motorized controls, the PhaseCam is ideal for challenging measurements.

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[Precision Optical Coatings](#)

Precision Glass & Optics (PG&O)

New optical coating capabilities feature an advanced, in situ optical coating and rate control system that produces ultraprecise and accurate single- and multilayered thin films. The computer/software system provides calibration of the exact refractive index dispersion for each material and process used.

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[XYZ Piezo Stages](#)

Aerotech Inc.

Aerotech's QNP3 series XYZ parallel kinematic piezo positioning stages combine subnanometer resolution, high dynamic performance in a compact, low-profile package. They come standard with a 40 x 40-mm aperture with travels up to 120 x 120 x 12 μm .

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[Custom Optical Liquids](#)

Cargille-Sacher Laboratories

With over 90 years of expertise, we can custom blend high-precision liquids to a specific refractive index, dispersion and density with high or low viscosities. We have liquids that closely match the refractive index and dispersion of Fused Silica, BK-7 and water at various temperatures.

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[FRED Optimum Optical Engineering Software](#)

Photon Engineering LLC

FRED Optimum Optical Engineering Software is capable of simulating the propagation of light through any opto-mechanical system by ray tracing. Whether the design is imported from CAD, a lens design program or constructed from within the software itself, FRED provides engineers with the essential tool...

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